

STIC REPORT
10/017,870
034827-1401

SEQ ID NO: 1

RESULT 3

US-08-938-669A-2

; Sequence 2, Application US/08938669A

; Patent No. 5171788

; GENERAL INFORMATION:

; APPLICANT: Nguyen, Thai D.

; APPLICANT: Polansky, Jon R.

; TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS,

; TITLE OF INVENTION: PROGNOSIS AND TREATMENT OF GLAUCOMA AND

; TITLE OF INVENTION: RELATED DISEASES

; NUMBER OF SEQUENCES: 32

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Howrey & Simon

; STREET: 1299 Pennsylvania Avenue, N.W.

; CITY: Washington

; STATE: DC

; COUNTRY: USA

; ZIP: 20004-2402

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: FastSEQ for Windows Version 2.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/938,669A

; FILING DATE:

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/791,154

; FILING DATE: 28-JAN-1997

; ATTORNEY/AGENT INFORMATION:

; NAME: Mendelson, Elicit

; REGISTRATION NUMBER: F-42,878

; REFERENCE/DOCKET NUMBER: 07425-0034

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 202 383-4857

; TELEFAX: 202 383-6610

; TELEX:

; INFORMATION FOR SEQ ID NO: 2:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 5304 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

US-08-938-669A-2

Query Match 100.0%; Score 32; DB 4; Length 5304;

Best Local Similarity 100.0%; Pred. No. 1.3e-09;

Matches 32; Conservative 0; Mismatches 0; Indels 0;

Gaps 0;

Qy 1 CGAATAGAGCCTAAACTCAAAGTGGTAATAA 32
||||| ||||| . ||||| |||||
Db 4305 CGAATAGAGCCTAAACTCAAAGTGGTAATAA 4336

FIGURE A

SEQ ID NO:2

RESULT 1
US-08-791-347-9
; Sequence 9, Application US/08791347
; Patent No. 5885776
; GENERAL INFORMATION:
; APPLICANT: Stone, Edwin M.
; APPLICANT: Sheffield, Val C.
; APPLICANT: Alward, Wallace L.M.
; TITLE OF INVENTION: GLAUCOMA COMPOSITIONS AND THERAPEUTIC
; TITLE OF INVENTION: AND DIAGNOSTIC USES THEREFOR
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FOLEY, HOAG & ELIOT LLP
; STREET: One Post Office Square
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02103-2170
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/791,347
; FILING DATE: 30-JAN-1997
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Arnold, Beth E.
; REGISTRATION NUMBER: 35,430
; REFERENCE/DOCKET NUMBER: UIA-010.26
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-832-1000
; TELEFAX: 617-832-7000
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 190 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
US-08-791-347-9

Query Match 100.0%; Score 22; DB 2; Length 190;
Best Local Similarity 100.0%; Pred. No. 0.00047;
Matches 22; Conservative 0; Mismatches 0; Indels 0;
Gaps 0;

Qy 1 CCGTATTCTTGGGTGGCTACA 22
||||| ||||| |||||

Db 160 CCGTATTCTGGGTGGCTACA 181

FIGURE B

SEQ ID NO: 3

RESULT 1

US-08-791-347-7

; Sequence 7, Application US/08791347

; Patent No. 5885776

; GENERAL INFORMATION:

; APPLICANT: Stone, Edwin M.

; APPLICANT: Sheffield, Val C.

; APPLICANT: Alward, Wallace L.M.

; TITLE OF INVENTION: GLAUCOMA COMPOSITIONS AND THERAPEUTIC

; TITLE OF INVENTION: AND DIAGNOSTIC USES THEREFOR

; NUMBER OF SEQUENCES: 16

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: FOLEY, HOAG & ELIOT LLP

; STREET: One Post Office Square

; CITY: Boston

; STATE: MA

; COUNTRY: USA

; ZIP: 02109-2170

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA

; APPLICATION NUMBER: US/08/791,347

; FILING DATE: 30-JAN-1997

; CLASSIFICATION: 514

; ATTORNEY/AGENT INFORMATION:

; NAME: Arnold, Beth E.

; REGISTRATION NUMBER: 35,430

; REFERENCE/DOCKET NUMBER: UIA-010.26

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 617-832-1000

; TELEFAX: 617-832-7000

; INFORMATION FOR SEQ ID NO: 7:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 195 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: DNA

US-08-791-347-7

Query Match 92.3%; Score 24; DB 2; Length 195;

Best Local Similarity 100.0%; Pred. No. 2.8e-05;

Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 CAAACCTGGGAGACAAACATCCGT 26

||||||||||||||||||

Db 10 CAAACCTGGGAGACAAACATCCGT 33

FIGURE C

SEQ ID NO 4

RESULT 14

US-08-546-568A-3

; Sequence 3, Application US/08546568A

; GENERAL INFORMATION:

; APPLICANT: NGUYEN, THAI D.

; APPLICANT: POLANSKY, JON F.

; APPLICANT: HUANG, WEIDONG

; TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS OF GLAUCOMA

; NUMBER OF SEQUENCES: 3

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: HOWREY & SIMON

; STREET: 1299 PENNSYLVANIA AVE., N.W.

; CITY: WASHINGTON

; STATE: D.C.

; COUNTRY: US

; ZIP: 20004

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/546,568A

; FILING DATE:

; CLASSIFICATION: 536

; ATTORNEY/AGENT INFORMATION:

; NAME: AUEKBACH, JEFFREY I

; REGISTRATION NUMBER: 32,680

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (202) 383-7451
; TELEFAX: (202) 383-6610
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1491 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; IMMEDIATE SOURCE:
; CLONE: TIGR coding sequence
US-08-546-568A-3

Query Match 88.6*; Score 31; DB 9; Length 1491;
Best Local Similarity 100.0*; Pred. No. 8.1e-07;
Matches 31; Conservative 0; Mismatches 0; Indels 0;
Gaps 0;

Qy 5 GCTATAAGTACAGCAGCATGATTGACTACAA 35
|||||||:|||||:|||||:|||||:|||||:|||||
Db 1388 GCTATAAGTACAGCAGCATGATTGACTACAA 1418

FIGURE D

SEQ ID NO: 5

RESULT 3
BM689172
LOCUS BM689172 357 bp mRNA linear EST 28-
FEB-2002
DEFINITION UI-E-CR0-acm-a-09-0-UI.rl UI-E-CR0 Homo sapiens cDNA clone
UI-E-CR0-acm-a-09-0-UI 5', mRNA sequence.
ACCESSION BM689172
VERSION BM689172.1 GI:19002430
KEYWORDS EST.
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 357)
AUTHORS Bonaldo,M.F., Lennon,G. and Soares,M.B.
TITLE Normalization and subtraction: two approaches to facilitate
gene discovery
JOURNAL Genome Res. 6 (9), 791-806 (1996)
MEDLINE 97044477
COMMENT Contact: Soares, MB
Program for Rat Gene Discovery and Mapping
University of Iowa
451 Eckstein Medical Research Building Iowa City, IA 52242,
USA
Tel: 319 335 8250
Fax: 319 335 9565
Email: msoares@blue.weeg.uiowa.edu
Tissue Procurement: Dr. Gregg Hageman
cDNA Library preparation: Dr. M. Bento Soares, University
of Iowa

Iowa

CDNA Library Arrayed by: Dr. M. Bento Soares, University of Iowa

DNA Sequencing by: Dr. M. Bento Soares, University of Iowa

Clone Distribution: Researchers may obtain clones from Research

Genetics (www.resgen.com).
Seq primer: M13 Reverse.

FEATURES

source Location/Qualifiers
1..357
/organism="Homo sapiens"
/db_xref="taxon:9605"
/clone="UI-E-CR0-acm-a-09-0-UI"
/clone_lib="UI-E-CR0"
/tissue_type="eye anterior segment"
/dev_stage="adult"
/lab_host="DH10B (Life Technologies) (T1 phage
resistant)"
/note="Organ: eye; Vector: pT7T3-Pac (Pharmacia)
with a modified polylinker; Site_1: EcoR I; Site_2: Not I;
UI-E-CR0 is a cDNA library containing the following tissue(s): eye anterior segment. The library was constructed according to Bonaldo, Lennon and Scares,
Genome Research, 6:791-806, 1996. First strand cDNA synthesis was primed with an oligo-dT primer
containing a Not I site. Double stranded cDNA was ligated to an EcoR I adaptor, digested with Not I, and cloned directionally prime into pT7T3-Pac vector. The oligonucleotide used to prime the synthesis of first-strand cDNA contains a library tag sequence that is located between the Not I site and the (dT)18 tail. The sequence tag for this library is AATGCCGAT. This library was created for the program, Gene Discovery in the Visual System, supported by National Eye Institute (NEI)."
BASE COUNT 92 a 88 c 100 g 77 t
ORIGIN
Query Match 50.0%; Score 20; DB 14; Length 357;
Best Local Similarity 100.0%; Pred. No. 0.72;
Matches 20; Conservative 0; Mismatches 0; Indels 0;
Gaps 0;

FIGURE E

SEQ ID NO: 6

RESULT 5

US-08-488-013-1/c

; Sequence 1, Application US/08488013

; Patent No. 5707806

; GENERAL INFORMATION:

; APPLICANT: Shuber, Anthony P.

; TITLE OF INVENTION: Direct Sequence Identification of

; Patent No. 5707806

; TITLE OF INVENTION: Mutations by Cleavage-and Ligation-Associated

; TITLE OF INVENTION: Mutation-Specific Sequencing

; NUMBER OF SEQUENCES: 1

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Darby & Darby P.C.

; STREET: 805 Third Avenue, 27th Floor

; CITY: New York City

; STATE: New York

; COUNTRY: USA

; ZIP: 10022

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/488,013

; FILING DATE: 07-JUN-1995

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: Ludwig, S. Peter

; REGISTRATION NUMBER: 25,351

; REFERENCE/DOCKET NUMBER: 0372/0B127

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (212) 527-7770

; TELEFAX: (212) 753-6237

; TELEX: 236687

; INFORMATION FOR SEQ ID NO: 1:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 30 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "synthetic oligonucleotide"
; HYPOTHETICAL: NO
; ANTI-SENSE: NO

US-08-488-013-1

Query Match 50.0%; Score 20; DB 1; Length 30;
Best Local Similarity 100.0%; Pred. No. 0.0096;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCGGTCCCAAAAGGGTCAGT 20

|||||||||||||||

Db 30 GCGGTCCCAAAAGGGTCAGT 11

FIGURE F

SEQ ID NO: 7

RESULT 9
US-09-056-285A-1
; Sequence 1, Application US/09056285A
; Patent No. 6403307
; GENERAL INFORMATION:
; APPLICANT: Stone, Edwin M.
; Sheffield, Val C.
; Alward, Wallace L.M.
; Fingert, John
; TITLE OF INVENTION: GLAUCOMA THERAPEUTICS AND DIAGNOSTICS
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FOLEY, HCAG & ELIOT LLP
; STREET: One Post Office Square
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109-2170
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/056,285A
; FILING DATE: 07-Apr-1998

; ATTORNEY/AGENT INFORMATION:
; NAME: Arnold, Beth E.
; REGISTRATION NUMBER: 35,430
; REFERENCE/DOCKET NUMBER: UIA-010.28
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-832-1000
; TELEFAX: 617-832-7000
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2800 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-056-285A-1

Query Match 53.7%; Score 22; DB 4; Length 2800;
Best Local Similarity 100.0%; Pred. No. 0.00035;
Matches 22; Conservative 0; Mismatches 0; Indels 0;
Gaps 0;

Qy 20 TCGGAATAGAGCCATAAACTCA 41
Db 873 TCGGAATAGAGCCATAAACTCA 893

FIGURE G

SEQ ID NO: 8

RESULT 7
US-09-277-016-16
; Sequence 16, Application US/09277016
; Patent No. 6143529
; GENERAL INFORMATION:
; APPLICANT: Lapidus, Stanley N
; APPLICANT: Shuber, Anthony P
; TITLE OF INVENTION: Methods for improving sensitivity and specificity
of
; TITLE OF INVENTION: screening assays
; FILE FERERENCE: EXT-030
; CURRENT AFILICATION NUMBER: US/09/277,016
; CUURRENT FILING DATE: 1999-03-26
; EAFLIEP AFILICATION NUMBER: 08/876,857
; EAFLIEP FILING DATE: 1997-06-16
; EAFLIEP AFILICATION NUMBER: 08/700,583
; EAFLIEP FILING DATE: 1996-08-14
; NUMBER OF SEQ ID NCS: 37
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 16
; LENGTH: 37
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATUFE:
; OTHER INFORMATION: Description of Artificial Sequence:PCR-E-FOR (p53
; OTHER INFORMATION: Exon 5)
US-09-277-016-16

Query Match 50.0%; Score 20; DB 3; Length 37;
Best Local Similarity 100.0%; Pred. No. 0.0096;

Matches 20; Conservative 0; Mismatches 0; Indels 0;
Gaps 0;

Qy 1 GCGGTCCCCAAAAGGGTCAGT 20
||| | | | | | | | | | | | | | | | | |
Db 1 GCGGTCCCCAAAAGGGTCAGT 20

FIGURE H